

Meeting Description: Michigan Geographic Framework Users Meeting

Date: May 5, 2004

Time: 10:00 a.m. **Location:** Michigan Center for

Geographic Information, George W. Romney Building, 10th Floor, Conference Room

I. Approval of Meeting Minutes

II. Geographic Framework Program

A. Act 51 Mapping

Everett Root, Michigan Center for Geographic Information (CGI), reported CGI is delivering the Act 51 maps for counties, cities and villages. CDs were created for 81 of 83 counties and they received their maps. The first task of the Act 51 maps is almost wrapped up.

Lynn Boyd, Michigan Department of Natural Resources (MDNR), stated the MDNR uses the Act 51 maps to deal with trespass issues and which roads are state forest roads and which are local roads. Will MDNR be able to access these maps at some point.

Everett Root, CGI, stated they are created in PDF format, they go to the counties, and Michigan Department of Transportation (MDOT) has a copy.

Joyce Newell, Michigan Department of Transportation (MDOT), suggested Lynn contact Dick Turcott at MDOT.

Everett Root, CGI, added that CGI is going to redo the city and village maps and have already worked out specifications. Will work on it this summer and get in the mail by January 1, 2005. In the meantime, counties have this coming year to look at the framework generated Act 51 maps.

B. Digital Ortho Update

Lynn Boyd, MDNR, nothing new to report.

Rob Surber, CGI, report SEMCOG is working on a 7-county digital ortho photo program and the state is contributing. Three vendors will present on Thursday, May 13. The project is moving forward on schedule for a spring 2005 flight. The state is interested in the progression because they would like to take into other areas of the state. There is interest by other areas in partnering with the state. One benefit is that you can get more for the money. The state will get a lot more than if they put their normal dollars. Detroit Water & Sewer is considering becoming a partner at the last minute. This is a significant contribution to the project. Every county has their own requirements, but 6-inch color is acceptable for everybody.

Trevor Floyd, St. Clair County Mapping, added that everybody coming to the table had their own minimum expectations. St. Clair County doesn't have a need for 6-inch true color pixels, but for the price of 6-inch color pixels it would be hard to get 2-foot black and white.

C. Framework Network Pilot Partnerships Update

- Upper Peninsula 9-1-1 Update

Everett Root, CGI, reported that CGI met with Negaunee State Police Post and interested parties in the Upper Peninsula (UP), Michigan Department of Natural Resources (MDNR), county agencies, road commissions, assessors, CUPPAD, and others. Keweenaw County in particular had their 9-1-1 vendor send a shape file with all the roads they had driven and the address ranges they created. CGI gave Negaunee dispatch all 15 UP counties' road data in a shape file format. The data was loaded into the Mapstar system, so the Negaunee dispatchers had a map to work with. CGI used the more detailed information from Keweenaw County and put that information onto framework, generated a new shape file, sent it up a couple weeks ago. A Marquette County staffer who works with the Negaunee's and Marquette's dispatch loaded the new data for this one county into Mapstar and it was successful. Results have been positive.

Rob Surber, CGI, added the MDNR is interested in this for cell calls to the Michigan State Police (MSP) from people on the trails. CGI had initial discussions with field staff.

Everett Root, CGI, stated CGI has gone through the process of giving them data and updating the data. It should be smooth process now if the relationship with Marquette County stays in tact. Keweenaw is done. They have also sent Luce, Schoolcraft and Ontonagon. CGI is taking roads the counties have driven as the authority for roads that exist with names. CGI has old roads that do not have names any more, CGI will take them out of the framework file and CGI is using local names and address ranges. Doing a little shifting of position as necessary. It is a road-by-road process – either remove, reposition, or update the road. Changes for Keweenaw County will be in Version 4. CGI is not changing any Act 51 certifications. Version 4 will be on the geographic library. Map Michigan has not been updated.

Rob Surber, CGI, added the other part is that the data maintenance issue is what happens next in Keweenaw and how to keep information flowing on regular basis. Need county contacts to continue to feed information.

Everett Root, CGI, commented that Jeff Selesky is the Communications Director at the Negaunee State Police Post and he is the main contact and he feels that as people see the benefits of this they will be interested in keeping 9-1-1 updated. CGI will do the updates.

Valdis Kalnins, Allegan County GIS, asked if CGI had the capacity now to take changes from counties and put them into framework.

Rob Surber, CGI, responded that CGI is piloting that.

Valdis Kalnins, Allegan County GIS, asked if for the Keweenaw updates if CGI took their road layer and bring it up behind and basically visually compare the attributes and then to the update.

Rob Surber, CGI, acknowledged that is the case. There are some automated tools, but CGI wants to be safe and not just push buttons.

Valdis Kalnins, Allegan County GIS, asked who is editing the framework and what is the source of that information.

Everett Root, CGI, responded most recent edits are because of the Act 51 process and a little work from Qualified Voter File (QVF) stuff on private roads. CGI will attribute uncertified roads the same as other roads. Uncertified roads are not gotten through the Act 51 process. June 15 is the Version 4 first release date.

Rob Surber, CGI, commented that CGI has to have the base referencing version out in June. There is a massive data collection that will be done this summer.

D. National Hydro Dataset (NHD) Project Update

Rob Surber, CGI, reported CGI is gearing up to begin work on the NHD on watersheds in the Wayne, Oakland, and Macomb Counties areas. This is being funded through United States Geological Survey (USGS). CGI is looking to partner with Michigan Department of Natural Resources (MDNR) Institute of Fisheries Resources (IFR), but there are staffing issues and allow them to do work and CGI to have knowledge transfer because IFR is losing some of their trained staff and CGI would be able to continue the work. IFR will be continue to be an advisor and end-user business area expert to make sure that from a Fisheries standpoint it meets their needs. CGI will take over the production work. CGI will use local data as much as possible. Oakland and Wayne Counties have centerline products. Some of the hydro network is underground and we would not know where drains are without local information. They are starting from the streams and working out. There will be stitching to do between Oakland's files and neighboring counties' files. MDNR IFR dealt with United States Forest Service (USFS) data – some of the data came via USFS files and did not connect with the remainder of the watershed. IFR is moving to geo database, which is the next ESRI model and tools. CGI plans to remain under the coverage model with coverage tools and not change midstream. Department of Environmental Quality (MDEQ) has done good job with information they had, but it can be further refined with

local data. May start in June if IFR is available - if not CGI get training from United States Geological Survey (USGS).

E. Rail Update

Everett Root, CGI, reported CGI edited the rail layer on framework. The next step is getting maps to rail owners. There are 27 rail companies in Michigan. CGI generated paper products of active rail and they are going in the mail with a letter. This is a partnership between MDOT, CGI, and the Michigan Rail Association. They will receive maps with the active rail, road network, hydrology, and city and township boundaries. They are asked to review active and inactive and end points. There is a June 1 return so that CGI may continue to refine the layer.

Rob Surber, CGI, added that CGI is also working on rail Right-of-Way scanning. Will give status report next time.

F. School District Update

Everett Root, CGI, reported CGI built a web application to allow school districts to review their boundaries and report on areas they felt were not accurate. This is a partnership with the Department of Education (DOE) and the results are for the Census Bureau for their 10-year cycle of updating school district boundaries. They compare this data to demographic data for federally funded school programs. All districts in the state received a letter asking them to provide a point of contact. Out of 533 school districts, over 500 replied that they wanted to participate. Yesterday was the cut off date for the changes. Most districts had their changes in for more than a week. CGI updated the geography as changes come in. Had no problems with internet site and no problems at the user end. There is more work to do because this brought out other problems with the Intermediate School Districts (ISD) to ISD boundaries. The application gave access to visual Rockford plat maps. CGI did the work in a statewide geo database. It worked well. Will wait until post Version 4 to put on framework coverages and generate a new layer. Can cut a copy out of the geodatabase now but it is not referenced if people want to look at it.

Rob Surber, CGI, added that the time and the efficiency in the way CGI was able to communicate with locals is a model for the future.

Everett Root, CGI, stated that most comments were positive. They liked this method where they could look at the maps at their convenience. They did submit their changes on paper.

Rob Surber, CGI, commented that CGI felt that was okay because most of them are not used to 'red lining'. They could print out the map and make changes. It introduced them to the concept of using the web.

Everett Root, CGI, added that some of them said they had to check with the township. The ISDs are responsible for mapping, and CGI received a lot of their maps. Some ISDs got the idea that when there were issues they had to think of who they needed to talk to resolve them. There is a property transfer mechanism that has to take place and the Michigan Department of Education (MDOE) and the Office of the Great Seal are to receive legal descriptions and maps. CGI wants to be in the loop for that. With Schools of Choice property transfers are more rare.

Trevor Floyd, St. Clair County MPC, stated he was able to map schools on IMS and pull same map through the map service into ArcMap and leverage the rest of GIS stuff against it.

III. Michigan Department of Natural Resources (MDNR) Projects and Activities

Lynn Boyd, MDNR, nothing to report.

Rob Surber, CGI, reported that MDNR, Parks and Recreation Division is working with CGI on a component of the park review process of looking at their assets. They have PDAs. CGI developed a process to download the statewide images that cut out pieces to download into the PDAs. The PDAs don't handle georef very well. CGI has a process to convert to UTM and it is being tested this week. It is a 2-day process. There are 96 state parks with 200 images. The road data is part of it but the larger issue is the buildings etc. MDNR and MDOT are working on

a plan to review all the roads in state parks. The asset management of the roads is expanding into the MDNR area for the state parks. There is talk about utilizing the same tools.

IV. Michigan Department of Transportation (MDOT) Projects and Activities

Cory Johnson, MDOT, reported recent drain activities are attempts to garner momentum. Working with the Department of Agriculture (DOA) on inter-county drains. It is complex because there are a lot of players. MDOT is also working with Michigan State Industries, but things are going slow.

Rob Surber, CGI, added that at the Asset Management Council meeting and the big discussion was the new data collection this summer working with Metropolitan Planning Organizations (MPOs) and regions the end of July until hunting season. They will start in the Upper Peninsula and work their way down. Training is in June. The annual report is on web site on quality of roads. It is one of the roles of asset management is to do the right fix at right location at right time. To get the deterioration curve on the roads, three years of data are needed. This report is very preliminary because it is for one year. They have got statistics on regions and a work plan that has been approved by the Transportation Commission for the next year.

Rob Surber, CGI, reported that CGI is progressing on Transportation Asset Mapping System (TRAMS). They have done a couple presentations to the engineers for whole state. CGI will do design specifications for the mapping. TRAMS is Transportation Asset Management System - GIS for Dummies (the engineers' terms). They want to do no more than 3 clicks to get a map with data on it. It will provide dynamic and static map products. The data that is ready first, will roll out on a flow basis. It will be internet to MDOT first and then will roll out as internet. It brings engineering and planning sides together.

V. Michigan Department of Environmental Quality (MDEQ) Projects and Activities

Rob Surber, CGI, reported there is a new initiative to work on an internet mapping service for their Water Division for surface water.

Bill Enslin, MSU, reported MSU is working on ground water mapping with United States Geological Survey (USGS). They are still working out the science to identify aquifers and clean up current data and understand it.

Rob Surber, CGI, reported there is a Wetlands Conference in Traverse City later this month. Institute for Water Research, MSU and representatives from the state will be there. The IFR web site has information on it.

Valdis Kalnins, Allegan County GIS, commented that they have received calls from MDNR and MDEQ with questions about the parcel data base. The county's asked for a list of parcel ids to be sent to them and may be they can work something out.

Rob Surber, CGI, asked Valdis to get a name if it happens again.

VI. Michigan State Police (MSP) Projects and Activities

Rob Surber, CGI, reported the Homeland Security Advisory Committee has met and have another meeting scheduled. Rob distributed Guidelines for Providing Appropriate Access to Geospatial Data in Response to Security Concerns from Federal Geographic Data Committee (FGDC). This has recently produced a decision tree for organizations to think about what they should put out and what they shouldn't. This will be presented to the GIS committee for discussion this Tuesday. Also distributed a list of the Homeland Advisory GIS Committee members. This is a sub-committee which will report to the large Homeland Security GIS Advisory Committee. There is representation from all levels of government. The goal to

produce a report this fall to the larger group as far as recommendations and suggested next steps. Some of the key areas the group will look at over the summer is a survey to identify gaps in communication between the GIS community and the emergency response groups. They will also look at what tools are needed; where holes are for providing GIS support in case of a disaster. In case of a disaster would data be available and support for the emergency managers' needs. The goal is the recommendations report, unless they are asked to continue. Eric Swanson is the chair and he is not a fan of committees for the sake of committees. The state representatives are from groups that have stand up responsibilities in case of Homeland Security incident.

VII. Michigan Department of Community Health (MDCH) Projects and Activities

Mike Hass, MDCH, demonstrated for CGI disease surveillance system in the past. There are about 70 reportable diseases in the state. MDCH is shifting to a web based reporting system for local health. It includes an IMS application that CGI is participating in the development of. It is coming online but not released publicly yet. Some Medicaid ArcIMS development outside of contracted. The 70 reportable codes coordinate with the CDC, which is where the state reports. This system is going to real time system so that cases can be entered and viewed at any time. It is using a geocoding engine to assign local health departments and map where the cases are internal for that health department. Health departments in the Upper Peninsula can't view Allegan County health department's information, but at the state level can view statewide. It is a modular system with the intent to tie with birth and death registry and cancer registry eventually.

VIII. Michigan State Industries (MSI) Projects and Activities

Ron Damuth, MSI, reported they are in a slump with their software trying to keep up with MDOT projects and getting approval for updated software. They hope to get something going on the MDOT Drain Project. Has had two sheriffs contact him wanting to know if MSI can help them get their E911 system up and running. One sheriff department is using Posetron software. Ron is doing research to see what can be incorporated from the ESRI software into getting data updated for this county to make their software transition from 9-1-1 program to the E911. Sheriff wants to track cell and land line calls.

IX. CGI Projects and Activities

Rob Surber, CGI, reported CGI is working on new servers. CGI got them up but had to turn off because of air condition problems. It is too hot. CGI is working on plan to get more air. The idea is Map Michigan and all web services will be faster when this is resolved. There is a meeting to discuss this with the facility manager. The vendor did not bring it up at all.

Trevor Floyd, St. Clair County MPC, stated they added a dual air conditioning system that is on UPS and generators. They are changing from 110 to 220 service.

X. MSU Center for Remote Sensing and GIS Research and Outreach Services Projects and Activities

Bill Enslin, MSU, nothing to report.

XI. County / Local Projects and Activities

Jeroen Wagendorp, Allegan County GIS, reported Woolpert completed the 350 gig flight acquisition for Ottawa, Barry, and Allegan Counties. By August they hope to have it.

Trevor Floyd, St. Clair County MPC, reported the conversion to SDE is going better. One of the problems is collecting data from different sources. They are now in one seamless database in SDE and a bunch of problems got sorted out. The problem now is that they are using ArcInfo to

do table edits and they are trying to figure out back door approach to pull off. They try to go in through Visual Basic. In the past month they used training lab to run GS1 and GS2. They ESRI was hesitant to use the training lab because they had never played with terminal server end clients before. It worked out well. Because of the older monitors and older release of the server, they were only able to push 256 colors. They are looking at upgrading monitors and server to something that will support true color. They were pulling up data faster than from the computer lab than from own computer. There is certified instructor on staff and they are looking at adding more instructors for internal training.

SEMCOG is having aerial flight vendors meeting next Thursday.

XIII. Federal Projects and Activities

Gordon Rector, United States Census Bureau, nothing to report.

XIV. Other Issues

Mike Hass, MDCH, asked if anyone has gone through the GIS certification process. You would get double points for MiCAMP.

Trevor Floyd, St. Clair County MPC, commented that the points seemed low going in. A couple of people that have gone through it had over 300 points before they quit counting points. The cap is 150 points.

XV. Next Meeting Date

June 3, 2004, 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933